

0307203 060401
T04090 6025/2650

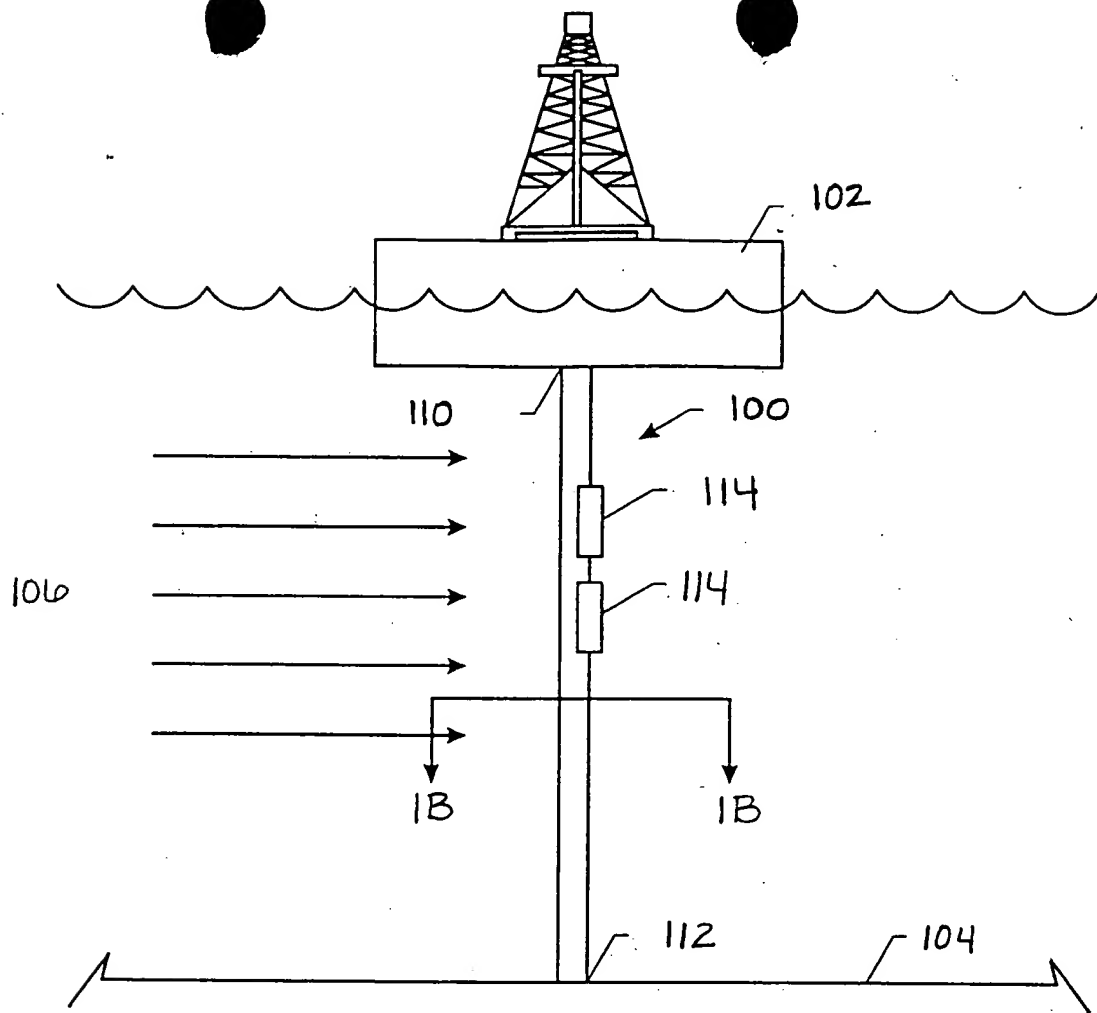


FIGURE 1A

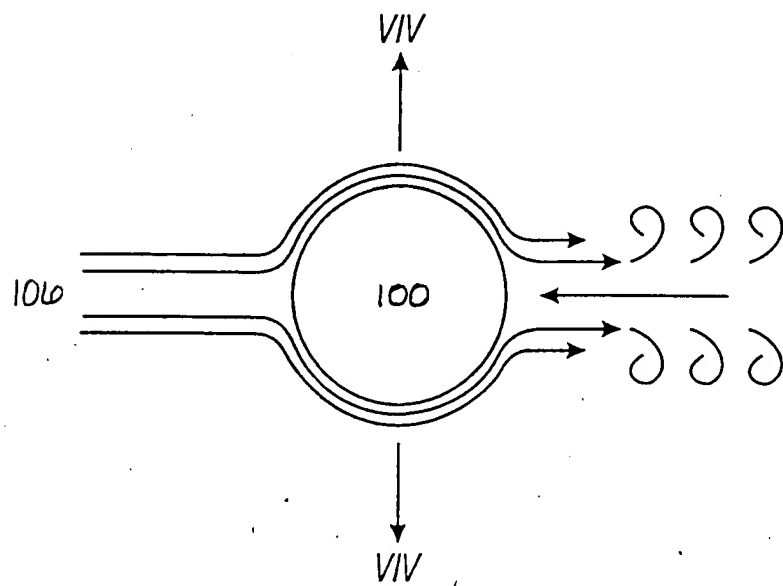


FIGURE 1B

204

202

208

2B

2B

212

Current

200

208 BLC Annulu

202 Ris

206 Buoy

210 Blowing-wa Slot-Nozzle

FIGURE 2B

FIG. 2C

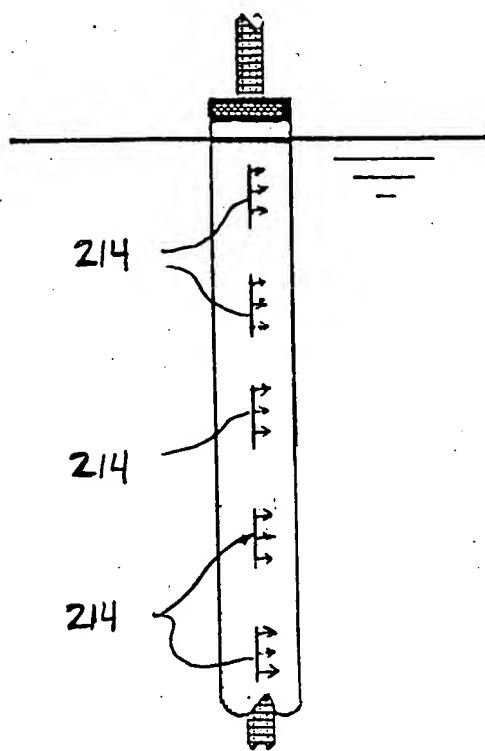


FIGURE 2C

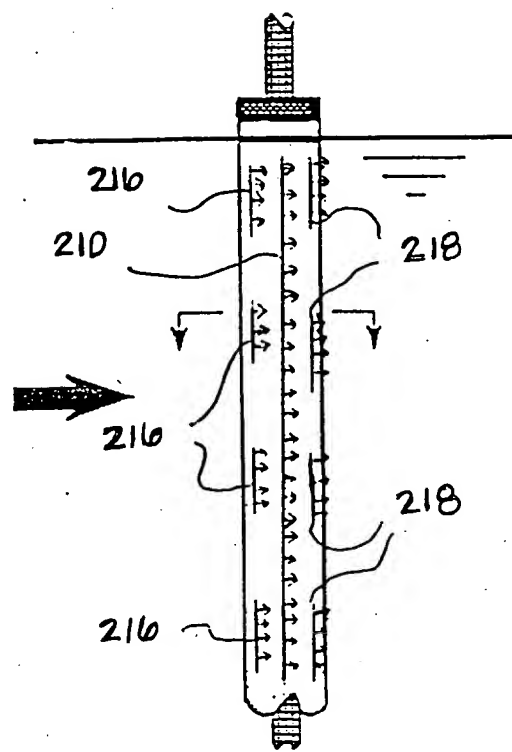


FIGURE 2D

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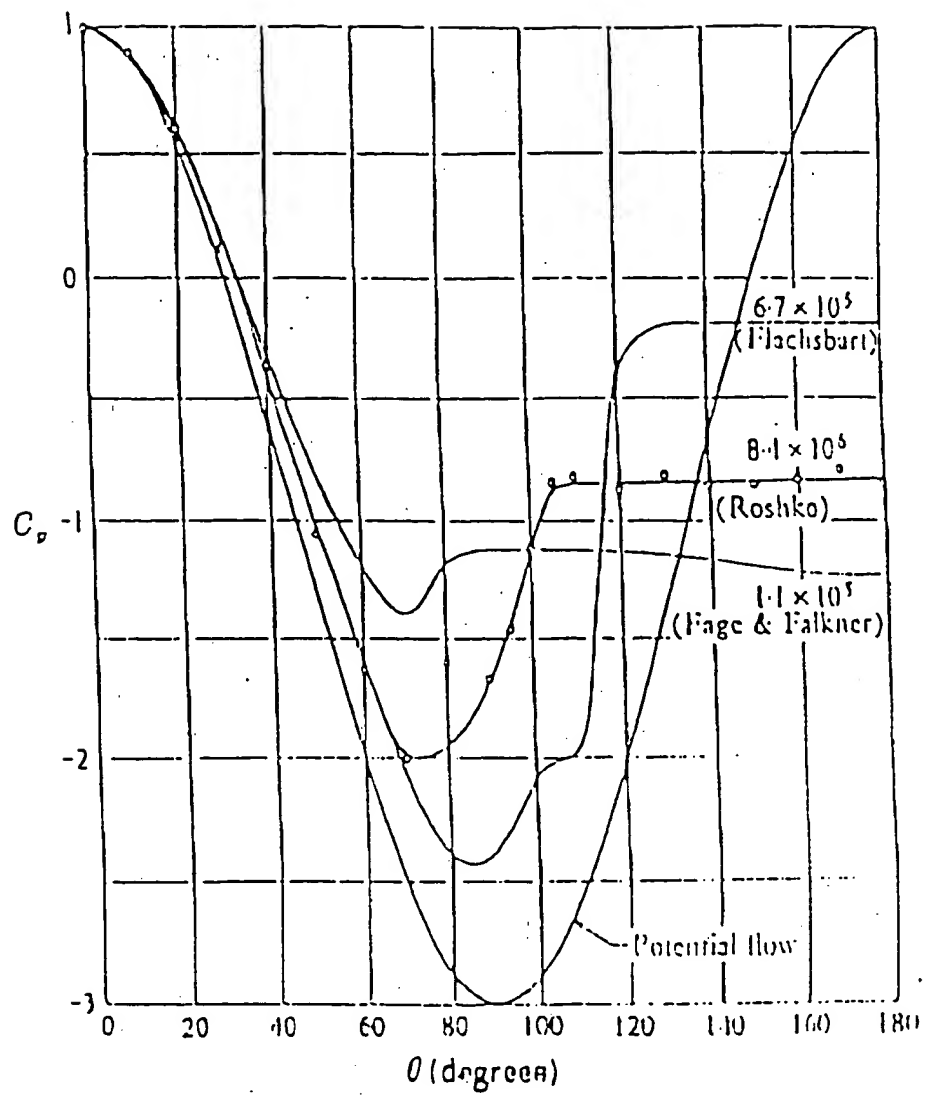
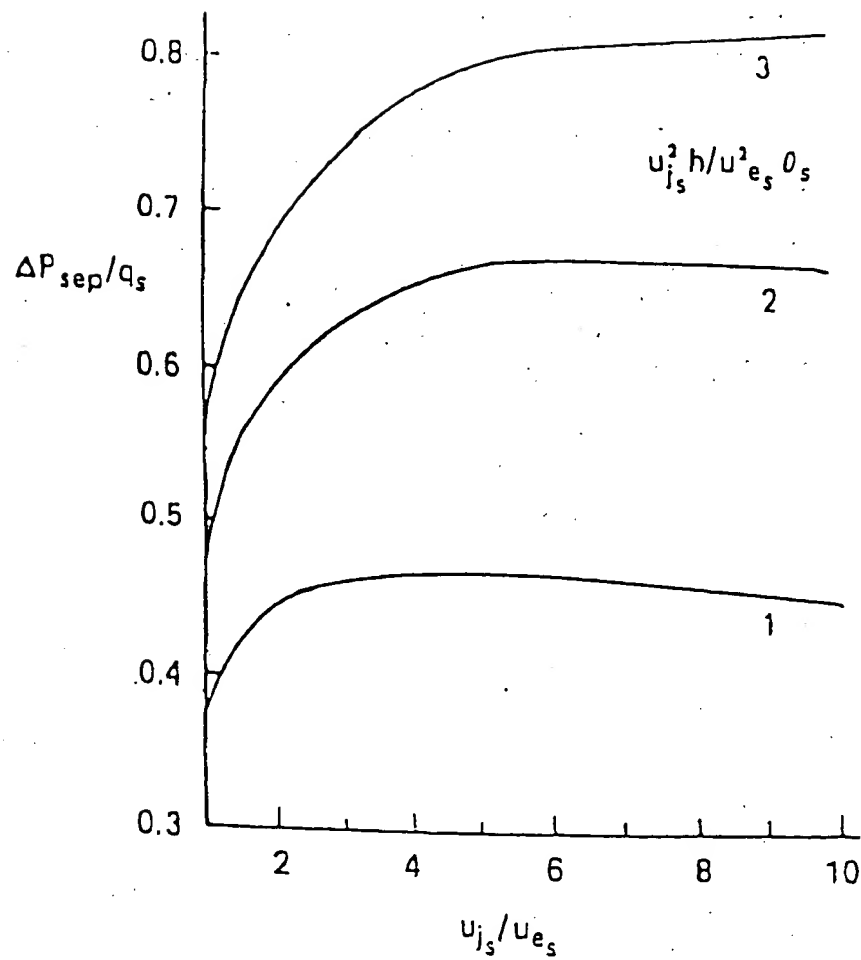


FIG. 3 Pressure Distribution on a circular cylinder

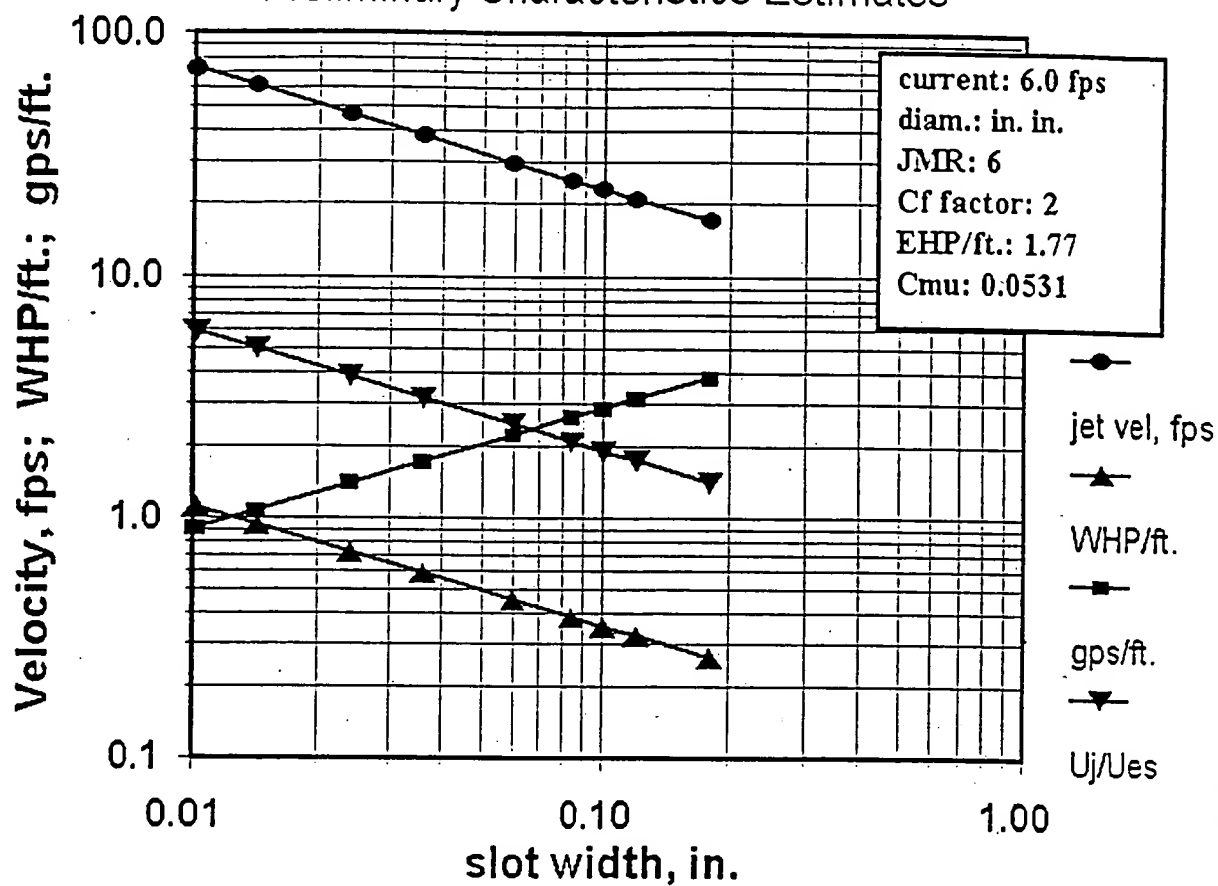
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**FIG. 4. Pressure rise to separation
(From Hubbart & Bangert, 1970).**

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FIG. 5 Drilling Riser BLC System
Preliminary Characteristics Estimates



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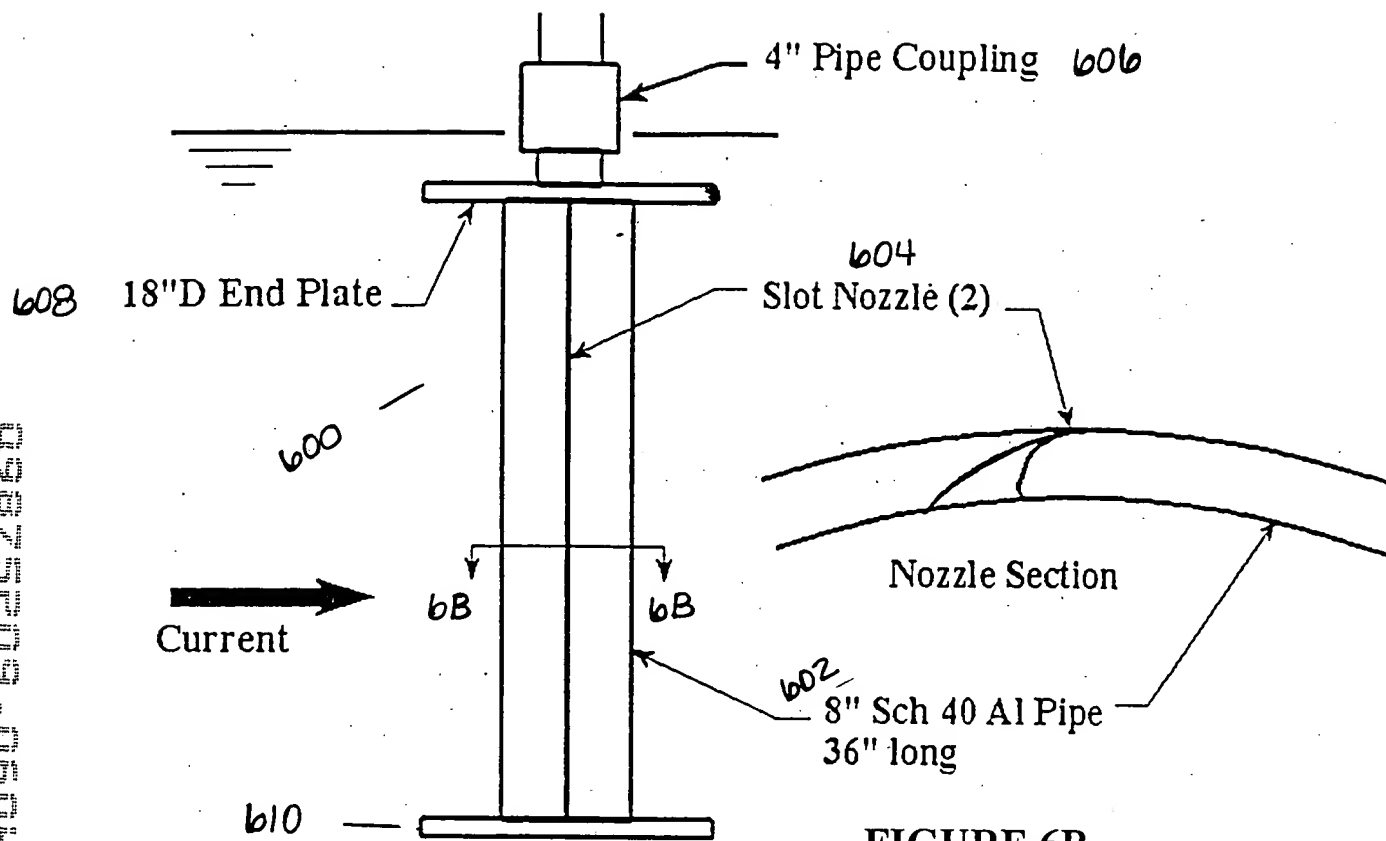
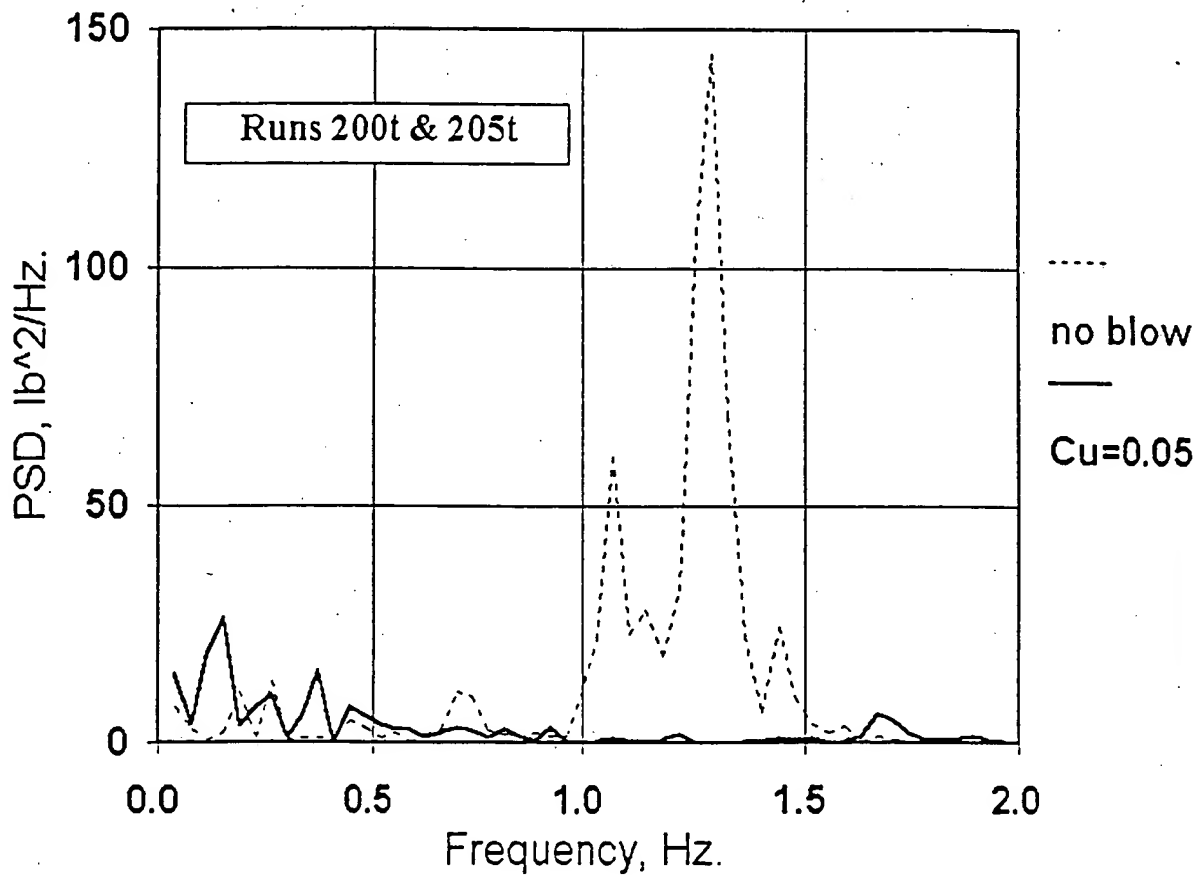


FIGURE 6B

FIGURE 6A

104000" 5026/050

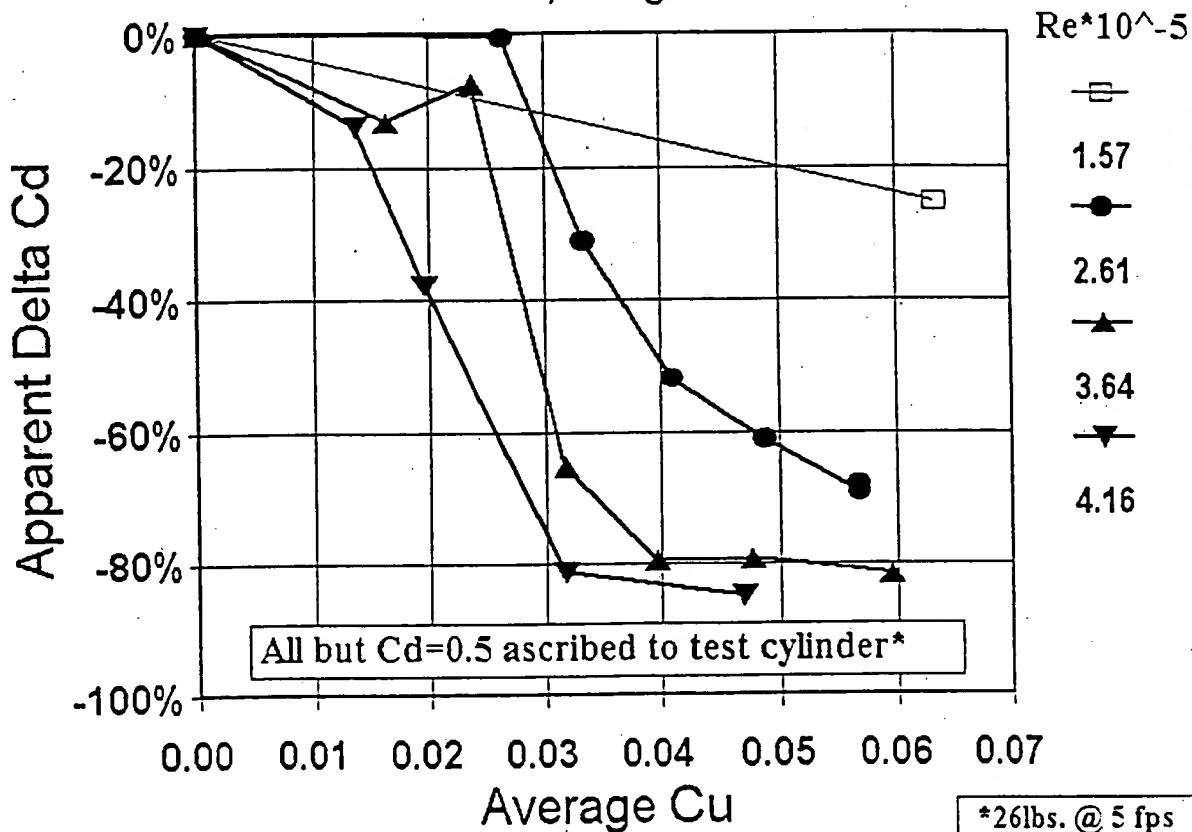
FIGURE 7. VIV Lateral Force PSD; 5 fps



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FIGURE 8. Apparent Delta Cd vs Cu & Re

BLC Demo, Roughened



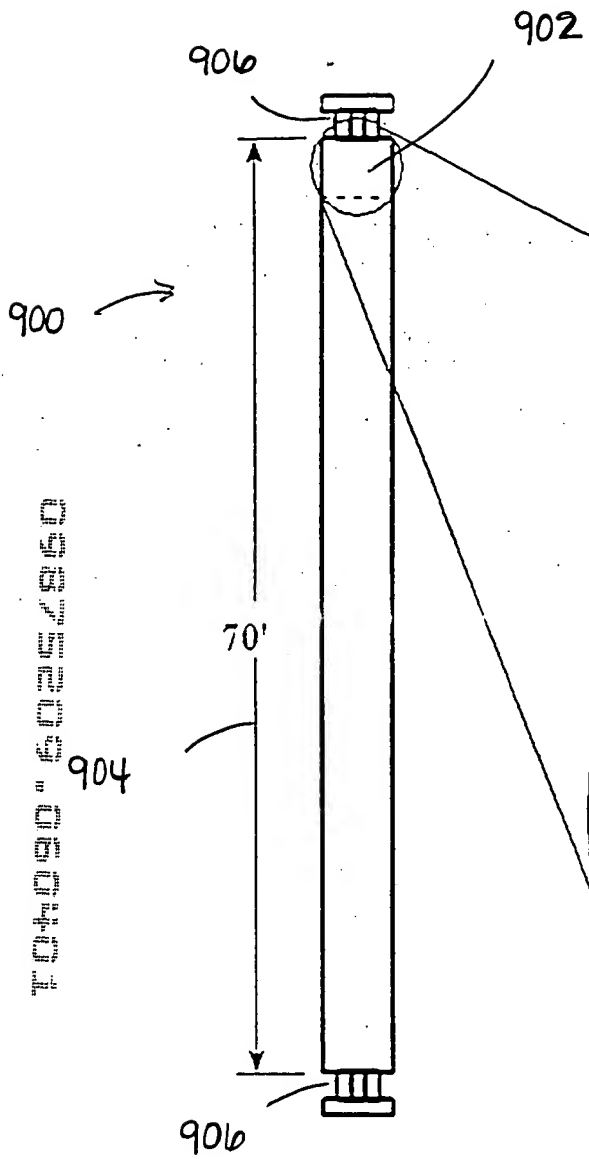


FIGURE 9A

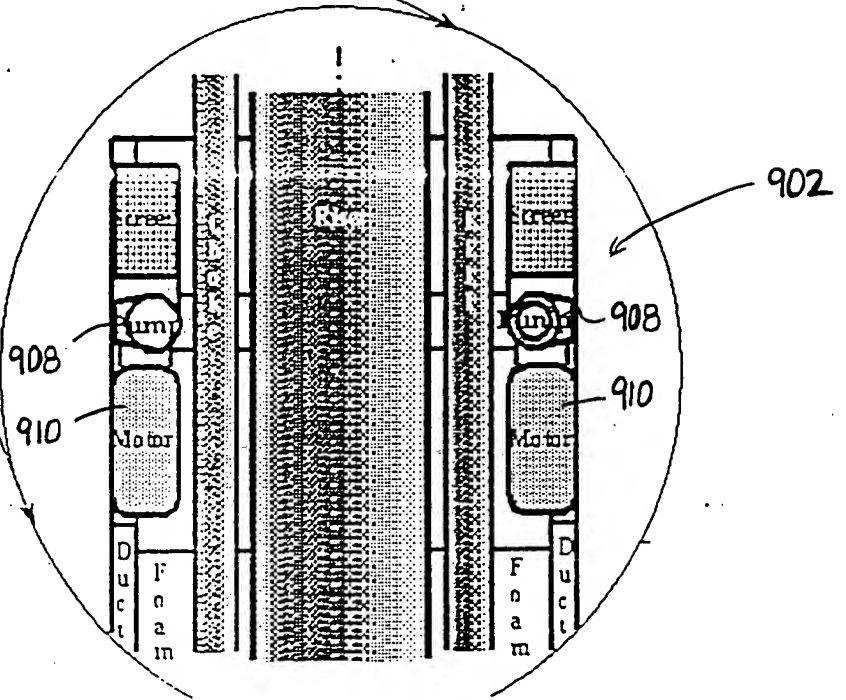


FIGURE 9B

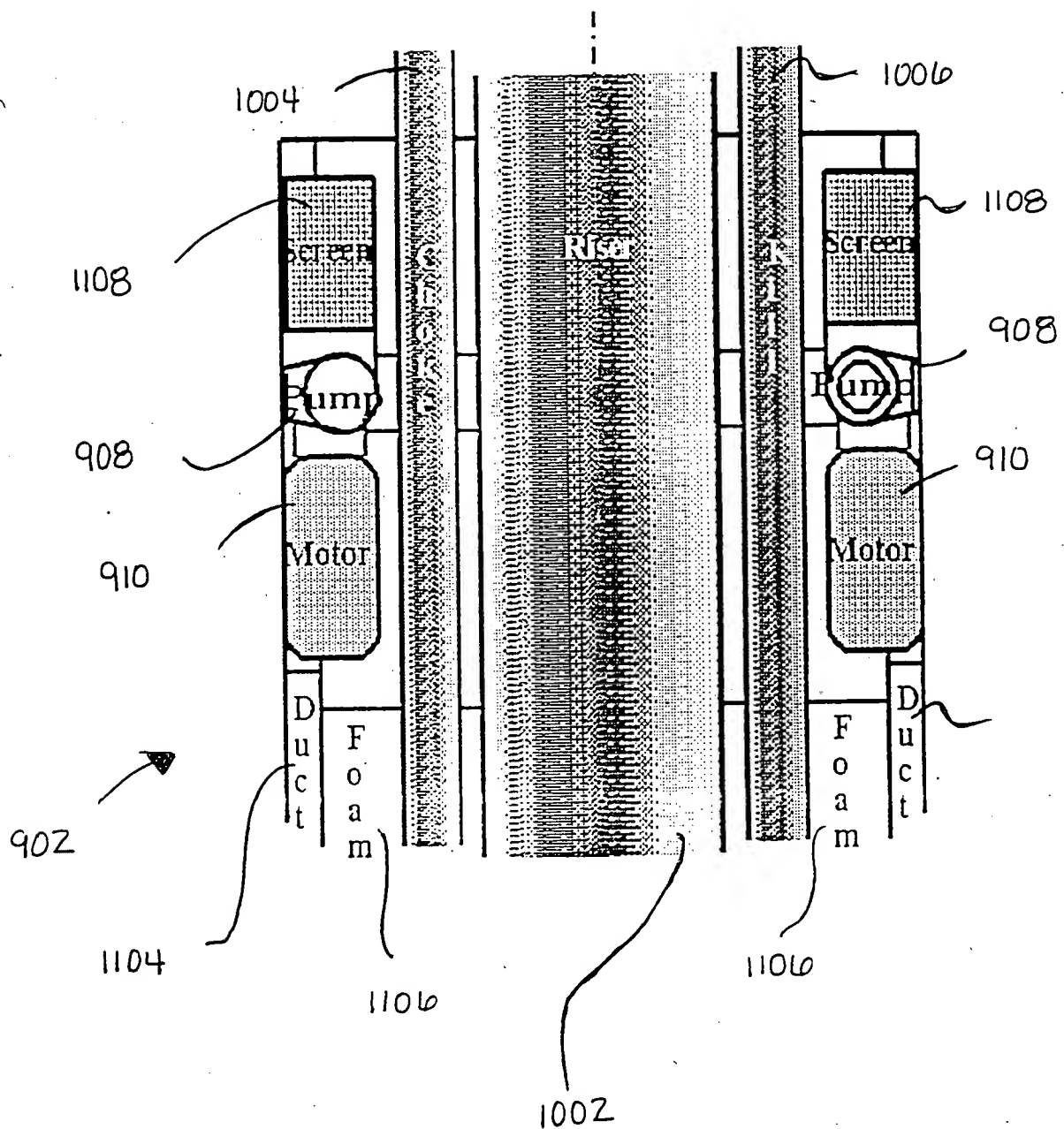


FIGURE 10

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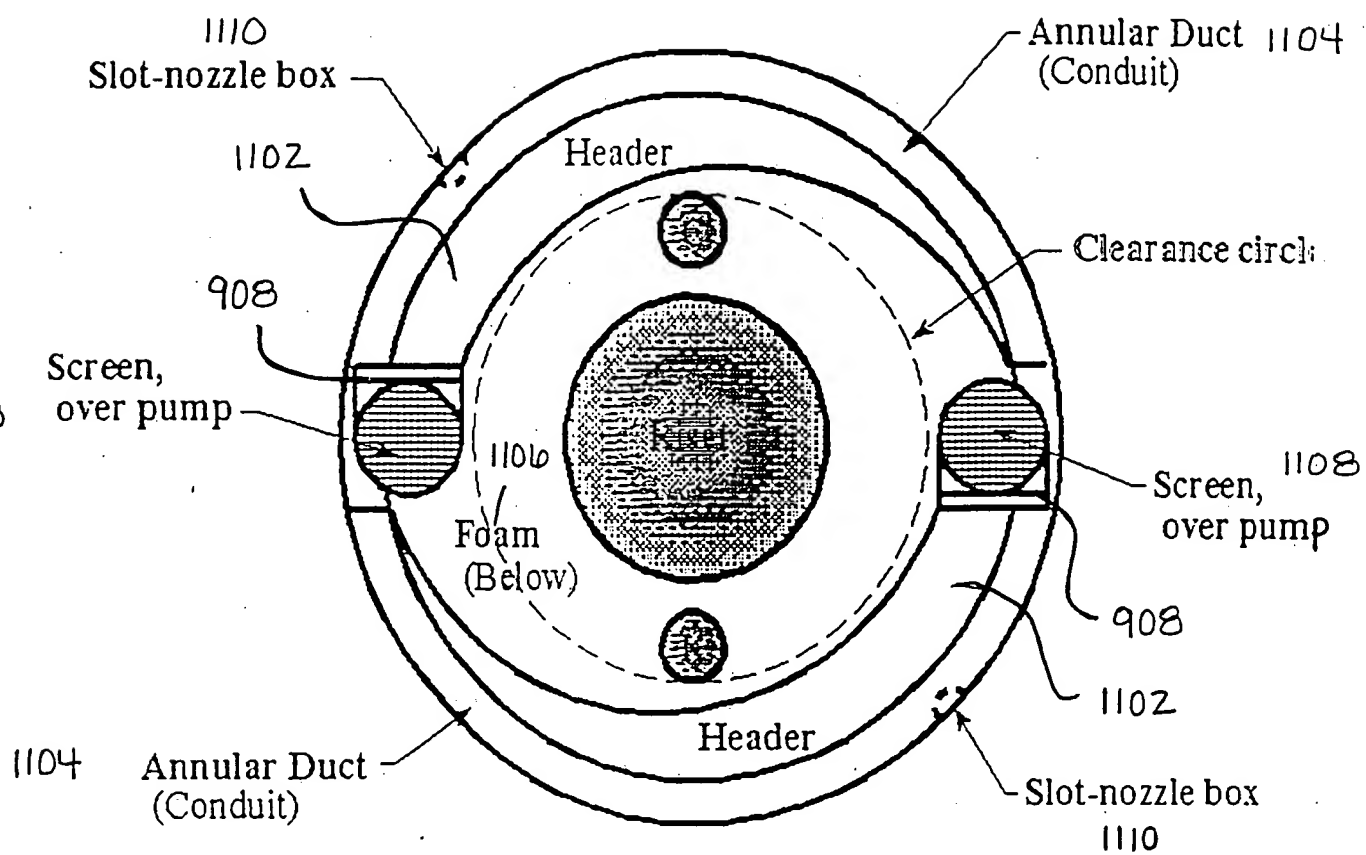


FIGURE 11

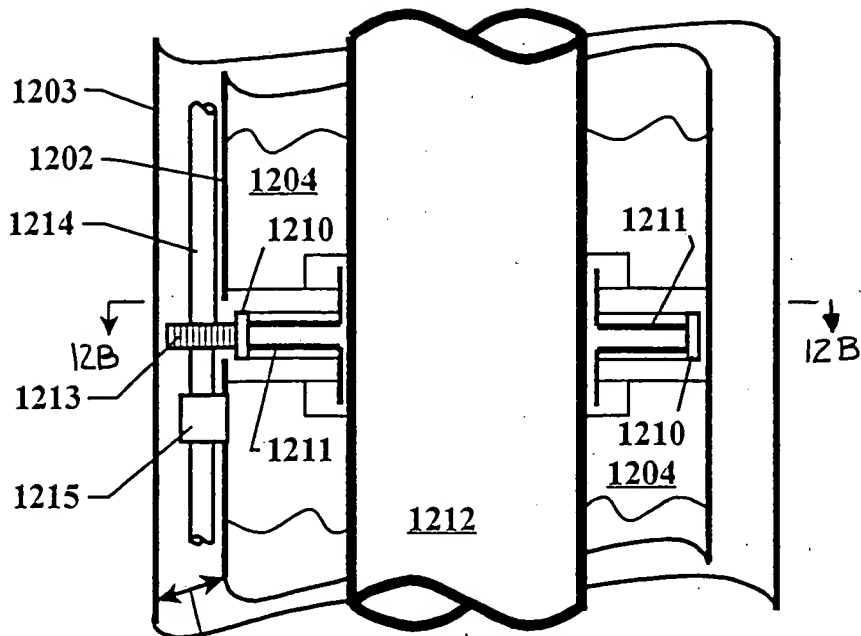


FIGURE 12A

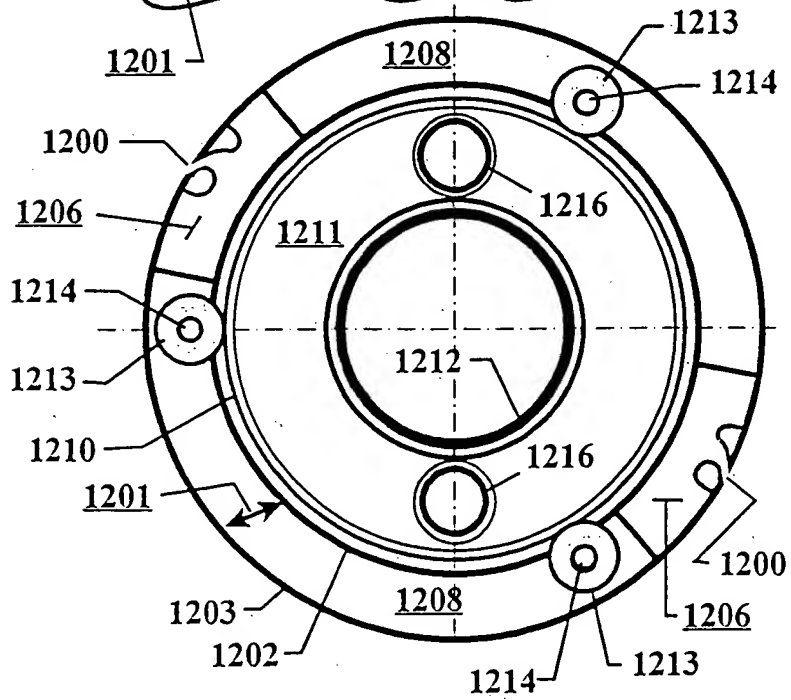


FIGURE 12B

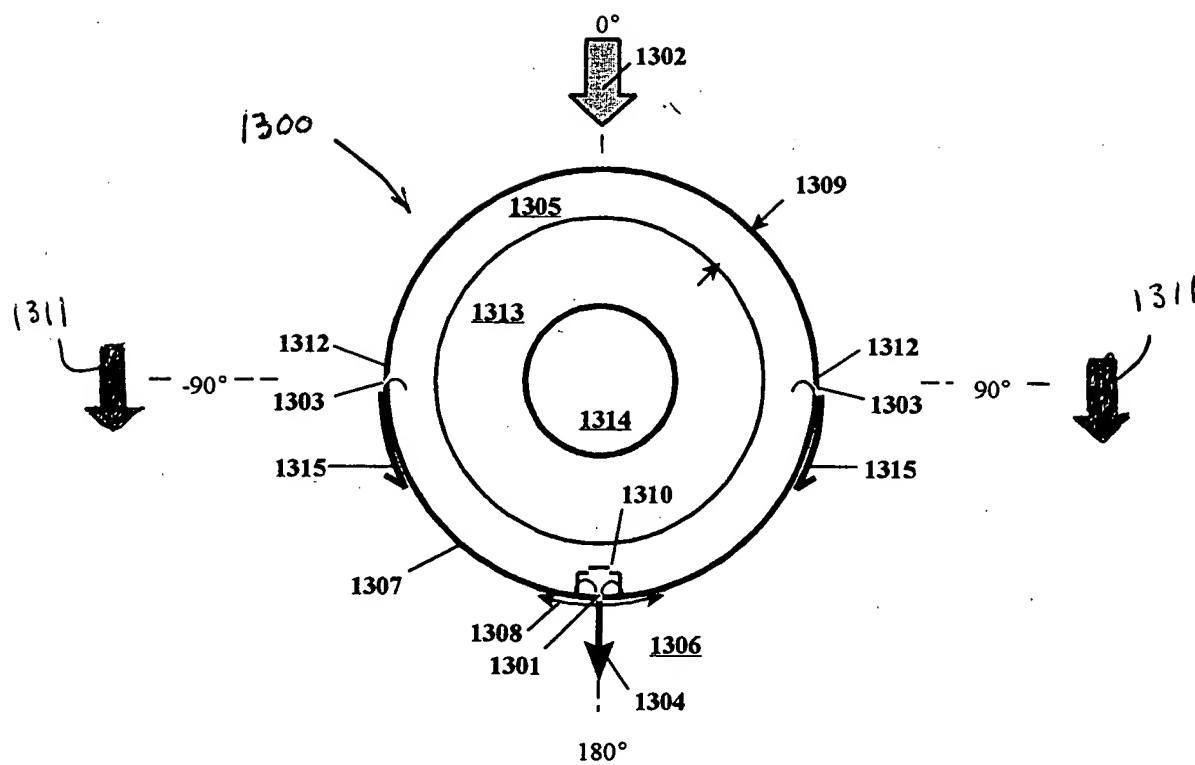


Figure 13

FIG. 14A

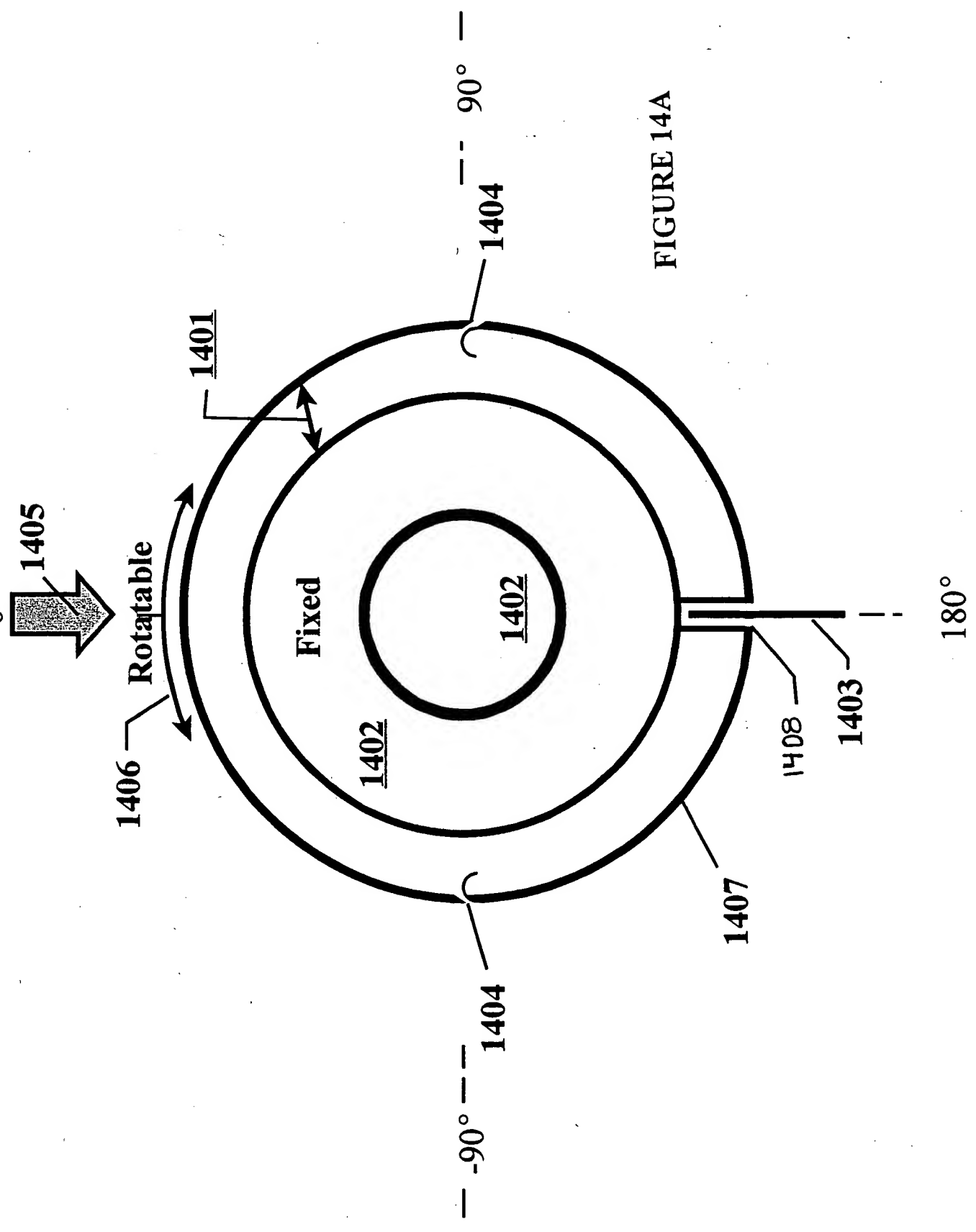


FIGURE 14A

FIGURE 14B

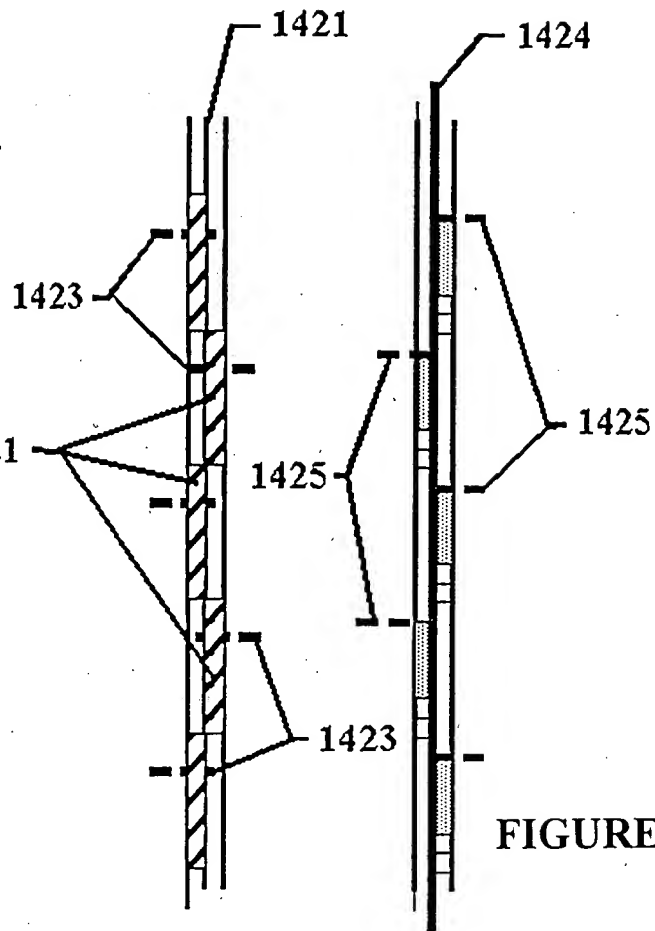
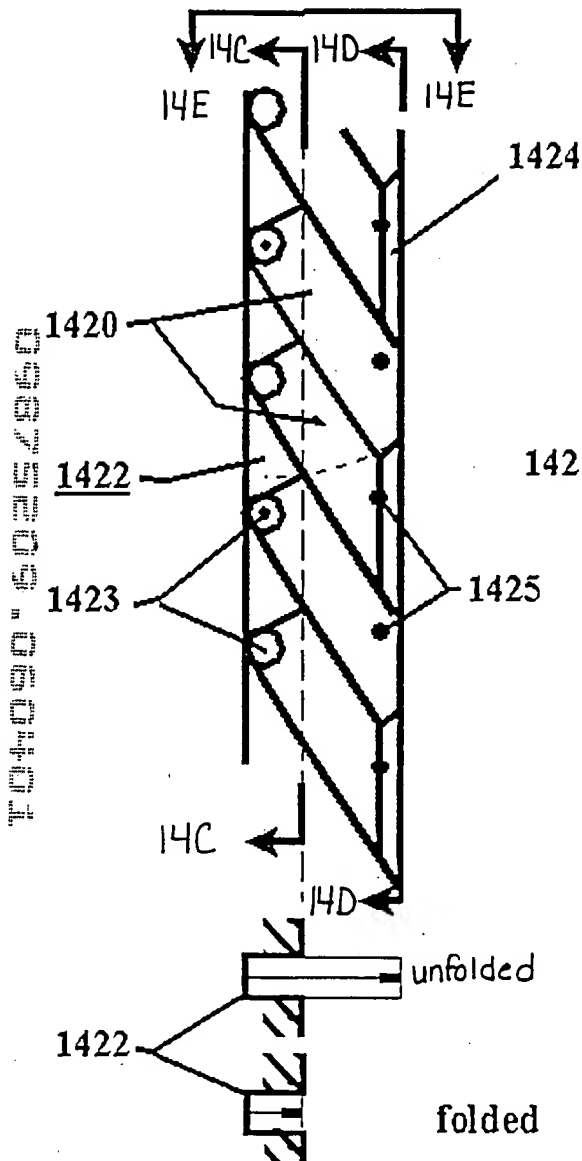


FIGURE 14D

Folding Tail-Fin
for Riser BLC and
similar applications

FIGURE 14E

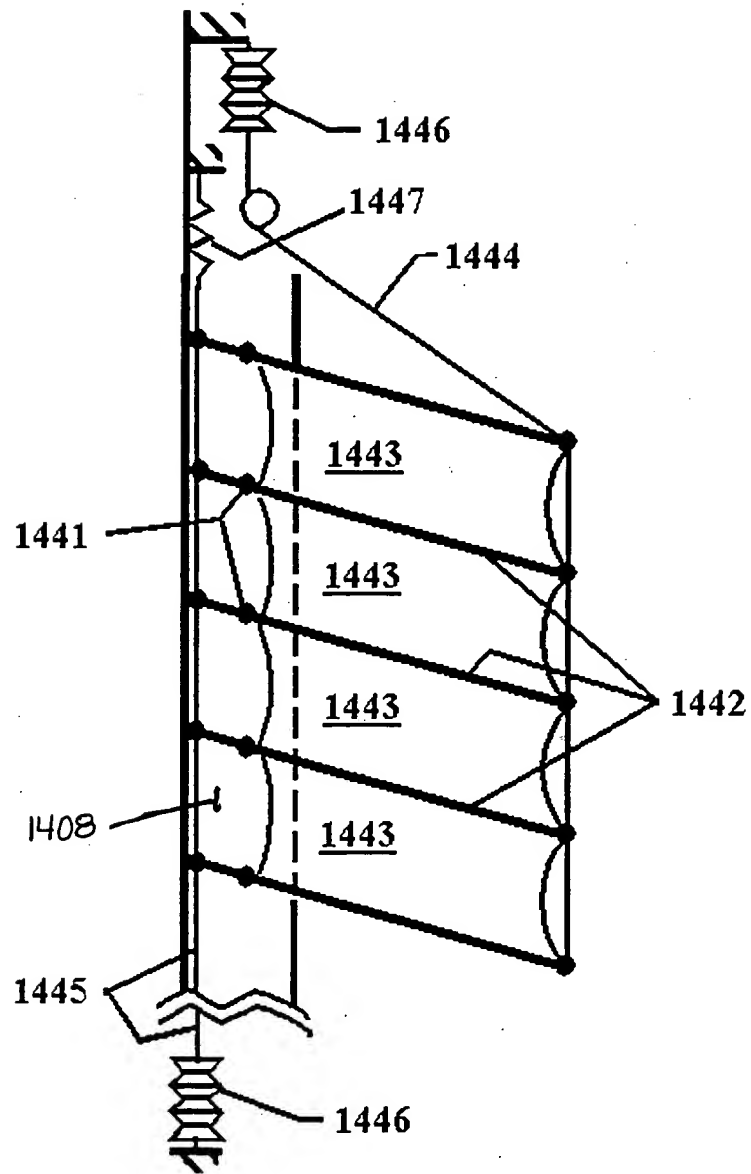


FIGURE 14F

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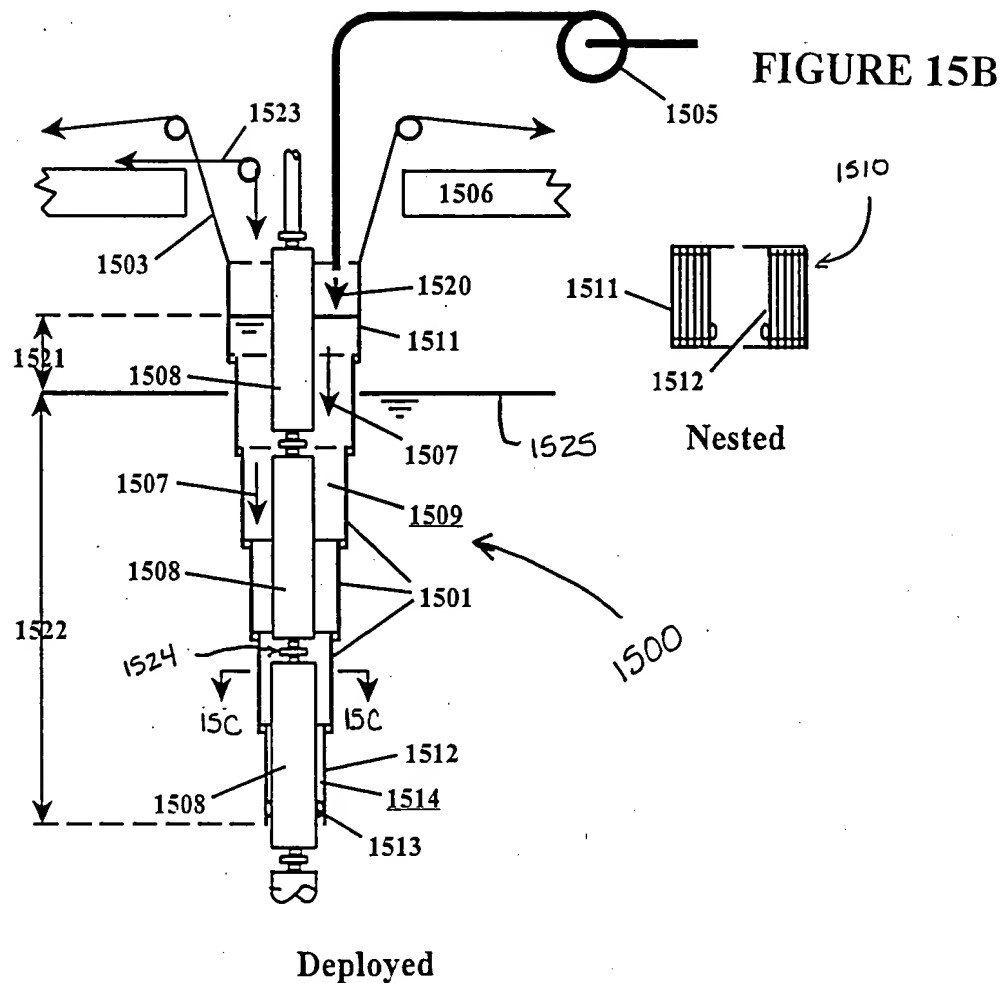


FIGURE 15A

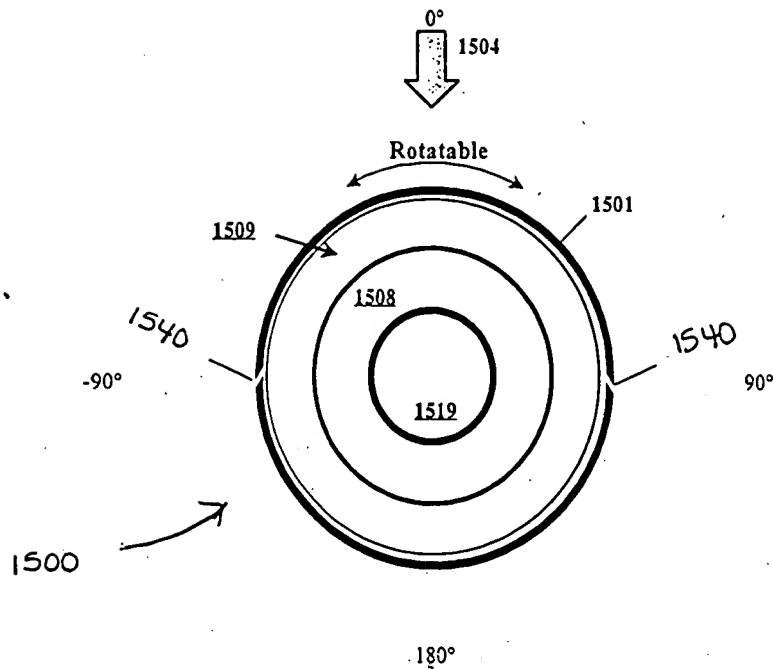


FIG. 15C Drilling Riser BLC, Telescoping Sheath Section

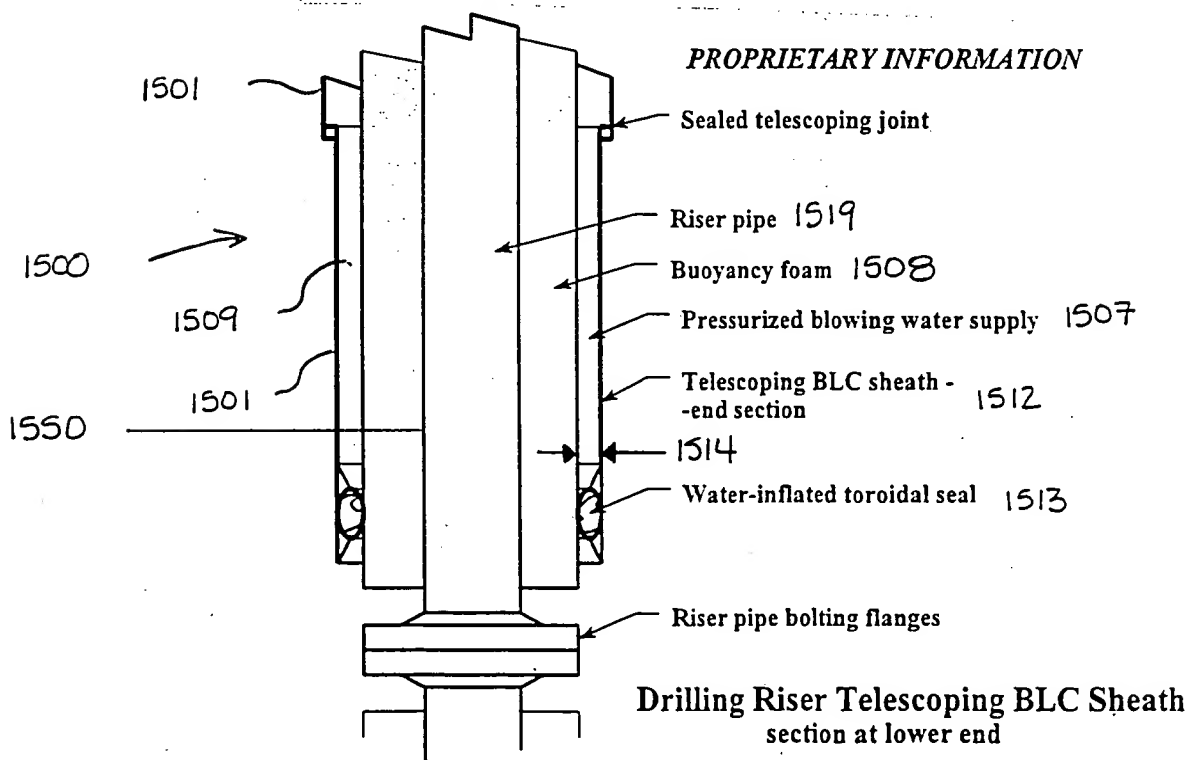


FIG. 15D Drilling Riser BLC, Telescoping Sheath Lower End

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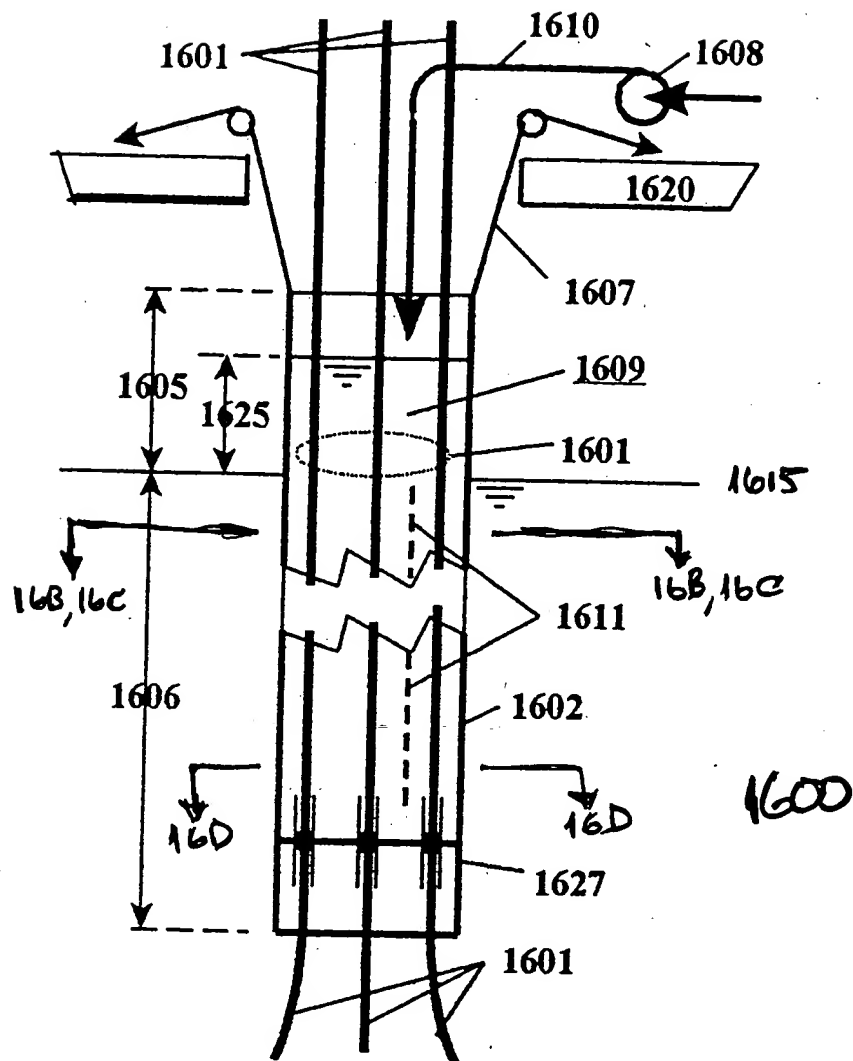


Figure 16a

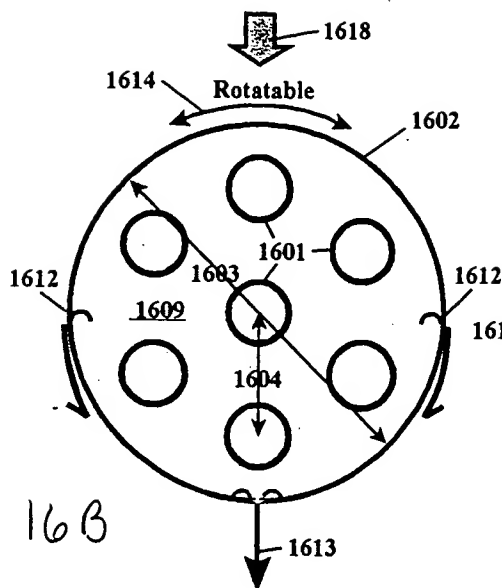


FIGURE 16B

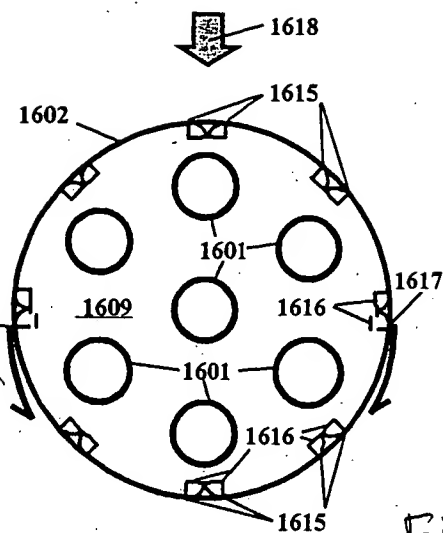


FIGURE 16C

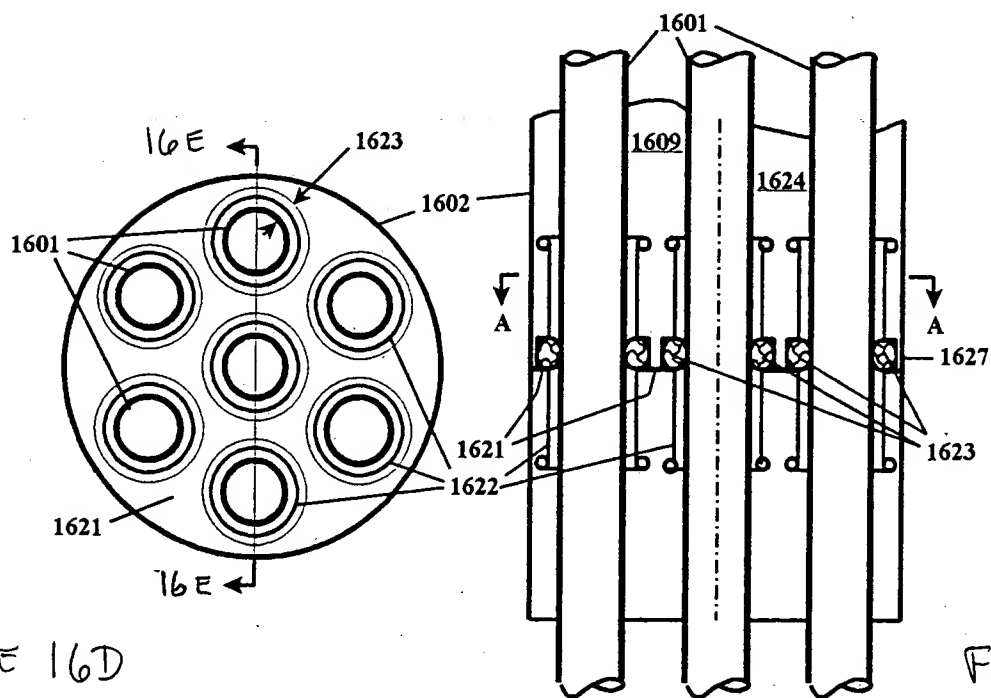


FIGURE 16D

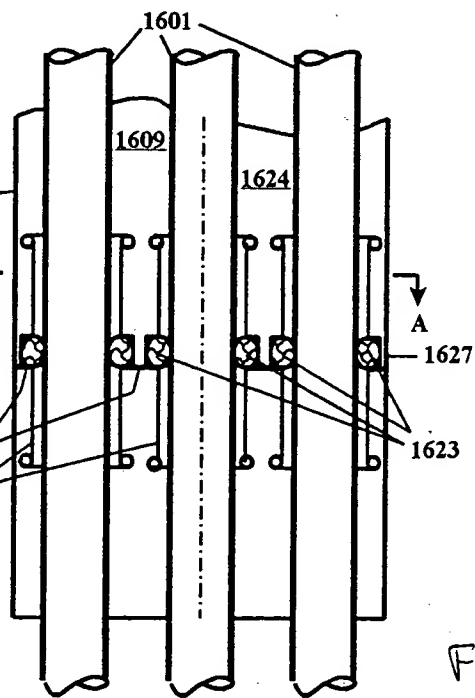


FIGURE 16E